

600	PROCESSES	629	...And internally circulating the liquid
601	..Treatment by living organism	630	...And anaerobic treatment
602	..Including plant or animal of higher order	631	..And additional treating agent other than mere mechanical manipulation (e.g., chemical, sorption, etc.)
603	..Including collecting or storing gas (e.g., fuel, carbon monoxide, etc.)	632	.Treating by enzyme
604	...And reusing oxidant	633	.Extracting utilizing solid solute
605	..Anaerobically, with subsequently aerobically treating liquid	634	.Liquid/liquid solvent or colloidal extraction or diffusing or passing through septum selective as to material of a component of liquid; such diffusing or passing being effected by other than only an ion exchange or sorption process
606	..Adding enzyme or releasing same by treating microorganism	635	..Liquid/liquid or gel type (i.e., jellylike) chromatography
607	..Dividing, treating, and recombining liquid	636	..Including cleaning or sterilizing of apparatus
608	..Regulating floating constituent	637	..Including regulating pressure to control constituent gradient at membrane or to prevent rupture of membrane
609	..Including dewatering sludge	638	..Including ion exchange or other chemical reaction
610	..Including adding ancillary growth medium for microorganism	639	..Including prior use of additive (e.g., changing pH, etc.)
611	...For or with specific microorganism	640	..Passing through membrane in vapor phase
612	..And regulating temperature during biological step	641	..Utilizing plural diverse membranes
613	...Digesting sludge	642	..Extracting water from brine utilizing liquid/liquid solvent or colloidal extraction
614	..Controlling process in response to stream constituent or reactant concentration	643	..Utilizing liquid membrane (e.g., emulsion) in liquid/liquid solvent or colloidal extraction
615	..Utilizing contact surfaces supporting microorganism (e.g., trickling filter, etc.)	644	..Diffusing or passing through septum selective as to material of a component in liquid/liquid solvent or colloidal extraction
616	...Particulate media	645	...Biological fluid (e.g., blood, urine, etc.)
617	....In bed form	646	....Hemodialysis
618	.....And rehabilitating or regenerating same	647	.....Maintaining critical concentration(s)
619	...Rotating contactor		
620	..Aerobic treatment		
621	...Recirculating to prior step		
622	....Of separated liquid		
623	....Of sludge or separated solid		
624	.....And returning to or withdrawing from diverse treating zones		
625	.....Treating outside mainstream		
626	.....To mainstream oxygenation (e.g., activated sludge, etc.)		
627	.....Utilizing specific oxidant, other than air alone (e.g., oxygen-enriched air, ozone, peroxide, etc.)		
628	.....Utilizing mechanical aeration means		

648	...Including regenerating or rehabilitating the extracting liquid in liquid/liquid solvent or colloidal extraction	675	...Rehabilitating or regenerating in diverse zone or chamber
649	..Diffusing or passing through septum selective as to material of a component of liquid	676	....Continuous cyclic process
650	...Filtering through membrane (e.g., ultrafiltration)	677	...Using conserved or recirculated fluid
651	....Removing specified material	678	...Including liquid flow direction change
652	....Hyperfiltration (e.g., reverse osmosis, etc.)	679	..Utilizing exchange or sorbent material associated with inert material
653	.....Utilizing specified membrane material	680	...Including oil sorbent
654	.....Synthetic resin	681	..Removing ions
655	.....Cellulosic	682	...Radioactive
656	.Chromatography	683	...Anions
657	..Utilizing rotating column	684	....Metal complexed (e.g., chromate, ferricyanide, chlorplatinate, etc.)
658	..Utilizing paper or thin layer plate	685	....Including cation
659	..Including liquid flow diversion	686	.....Utilizing mixed bed or amphoteric material
660	.Ion exchange or selective sorption	687	...Calcium or magnesium (e.g., hardness, water softening, etc.)
661	..By passing through suspended bed	688	...Heavy metal
662	..And liquid testing or volume measuring	689	..Sorbing water from diverse liquid
663	..Including diverse separating or treating of liquid	690	..Sorbing organic constituent
664	...By distilling or degassing	691	...From aqueous material
665	...By making an insoluble substance or accreting suspended constituents	692	....Utilizing synthetic resin
666	....Utilizing organic agent	693	.....Oil removed
667	....Utilizing aluminum, calcium, or iron containing agent	694	....Utilizing activated carbon
668	...By chemically modifying or inhibiting dispersed constituent	695	.Using magnetic force
669	...Prior to ion exchange or sorption	696	.Preventing, decreasing, or delaying precipitation, coagulation or flocculation
670	..Including rehabilitating or regenerating exchange material or sorbent	697	..Utilizing inorganic phosphorus agent
671	...Of oil sorbent material	698	..Utilizing organic agent
672	...Fractional, selective, or partial type	699	...Phosphorus containing
673	...Utilizing gas, water, or chemical oxidizing or reducing agent	700	....Nitrogen containing
674	...Utilizing organic regenerant	701	...Acrylic polymer
		702	.Making an insoluble substance or accreting suspended constituents
		703	..Effecting flotation
		704	...Including chemical addition (with or without bouyancy gas)
		705	....Chemically specified precipitant, coagulant, or flocculant
		706	.....And significant characteristic of the bouyancy gas, other than mere addition of same

707	.....Generating gas in situ	746	..Electrical property sensing
708	..Including emulsion breaking	747	..Including geographic feature (e.g., drainage ditch, septic, pond)
709	..Controlling process in response to stream condition	748	..Utilizing electrical or wave energy (directly applied to liquid or material being treated)
710	..Treating the insoluble substance	749	..Chemical treatment
711	...For recovery of a treating agent	750	..Including degassing
712	..Including recycling	752	..Plural spaced feedings
713	...Of separated solids	753	..Utilizing halogen or halogen containing material
714	..Seeding	754	...Chlorine or bromine containing
715	...Utilizing sludge or floc blanket	755	....Organic
716	..Including step of manufacturing inorganic treating agent	756	....Hypochlorite
717	...In situ	757	..By chemical reduction
718	..Including degassing	758	..By oxidation
719	..Including chemical reduction	759	...Utilizing peroxy compound (e.g., hydrogen peroxide, peracid, etc.)
720	...Of chromium material	760	...Utilizing ozone
721	..Including oxidation	761	...Liquid phase high temperature and pressure (e.g., "wet air", etc.)
722	...Of iron or manganese material	762	....Catalytic
723	..Utilizing precipitant, floculant, or coagulant, each with accelerator or with each other or plural precipitants, floculants, or coagulants	763	...Catalytic
724	...Regulating pH	764	..Destroying microorganisms
725	....Utilizing organic precipitant	765	..Including liquid recirculation
726	...Sequential introduction	766	..Including temperature change
727	....Including organic agent	767	..Separating
728	...Including organic agent	768	..Including treating separated solids
729	..Utilizing organic precipitant	769	...Destroying cake or solid component
730	...From natural source or chemical modification thereof	770	...Including drying (e.g., by squeezing or heating, etc.)
731	....Starch	771	....By gas contact
732	...Synthetic polymer	772	...Washing with a fluid other than the prefilter
733	....Acrylic	773	..Including preliminary conversion to liquid state
734	....Nitrogen containing (e.g., amine, azo, etc.)	774	..Including temperature change
735	....Nitrogen containing (e.g., amine, azo, etc.)	775	...Thermal diffusion
736	....Derived from alkyl halide or epihalophydrin reactant	776	..Skimming
737	..Including temperature change	777	..Including precoating filter medium with filter aid
738	..Including agitation	778	...With or by addition to prefilter
739	..Including controlling process in response to a sensed condition	779	..Discharging residue to prefilter
740	..Density or specific gravity sensing	780	..Including movement of filter during filtration
741	..Pressure sensing	781	...Centrifugally extracting
742	..Temperature sensing	782	....Blood
743	..pH sensing	783	...Rotating belt
744	..Level sensing	784	...Rotating drum
745	..Turbidity or optically sensing		

785	...Cleaning filter utilizing wave energy (e.g., vibrating, pulsating, etc.)	97	FLOW, FLUID PRESSURE OR MATERIAL LEVEL, RESPONSIVE
786	...Of particulate bed (e.g., fluidized or moving bed, etc.)	98	.Fluid current controlled cyclic system
787	..Cyclonic, or centrifugal (e.g., whirling or helical motion or by vortex, etc.)	99	.Prefilt diverting to drain by prefilt accumulation
788	...Introducing liquid tangentially	100	.Flow cut-off requiring reset
789	...Isolating layer	101	.Proportionate feed means
790	..Dividing and recombining	102	.Programming plural units
791	..Rehabilitating or regenerating filter medium	103	.Diverse sensing means
792	...Particulate bed	104	..Responsive to material level
793	....Reverse flow	105	..With control for auxiliary liquid inlet
794	.....Including addition of diverse fluid	106	.Filter cleaning
795	.....Expanded bed	107	..Rotary movement of filter or mechanical cleaner
796	....Including mechanical agitation	108	..Backwash or blowback
797	...By diverse fluid	109	.Discharge of treated material
798	....Reverse flow	110	..With separator inlet control
799	..Filtering immiscible liquids	111	..Responsive to prefilt accumulation or filter clogging
800	..Utilizing gravitational force	112	..Heavier constituent
801	...Including change of mainstream flow direction	113	...By weight of solids
802	....Utilizing parallel separation passages	114	...By treated liquid accumulation
803	...Including specified feature of settled solids removal	115	...With lighter constituent outlet control
804	...And additional diverse separation	116	..Permitted by filtrate accumulation
805	..And recirculating liquid	117	..Check valve controlled
806	..Plural separating	118	...Non-closing, e.g., sand valve
807	..Utilizing particulate bed	119	...Float type
808	..Including specified pressure change	120	.Vent control
85	WITH ALARM, INDICATOR, REGISTER, RECORDER, SIGNAL OR INSPECTION MEANS	121	.Float
86	.Material level or thickness responsive	122	..Controls movable separator
87	.Responsive to fluid flow	123	..Controls valve
88	..Meter-controlled cyclic systems	124	...Controls flow between two separators
89	...With time control	125	...Separator between float and valve
90	.Fluid pressure responsive	126	...Float in separate rehabilitating fluid tank
91	.Position or extent of motion	127	...Additional fluid inlet control
92	.Test valve	128	...Float in receptacle other than that of separator
93	.In effluent conduit	129	....In flow between inlet and separator
94	.Transparent	130	.Fluid pressure responsive by-pass
95	..Sight glass	131	..By movement of separation medium
96.1	CONSTITUENT MIXTURE VARIATION RESPONSIVE	132	..With additional separation or treating means
96.2	.With membrane	133	..In inlet and outlet closure header

134	.Plural elements controlled	178	..With mechanical agitator or movable separator
135	..Including manually controlled element	179	.With mechanical agitator or movable separator
136	.Check valve	180	.Vapor or gas removal
137	.Maintaining stream pressure or flow	181	.Flow line connected in series with distinct separator
138	WITH TIME CONTROL	182	.Diverse separators
139	.Of additional fluid	183	..Common casing coaxial with heater
140	..Preparation for treating operation	184	.For filter
141	WITH PROGRAM ACTUATOR	185	..Imbedded or between filter media
142	.Plural treating units or sections sequentially controlled	186	..External of casing
143	AUTOMATIC CONTROL	187	.Within gravitational separator
144	.Responsive to vibration or unbalance	188	WITH GAS SEPARATOR
145	.Responsive to rotation	189	PLURAL CHAMBERS WITH MOVEMENT OF GRANULES THEREBETWEEN
146	..Controlled cover latch	190	WITH EXTERNAL SUPPLY MEANS FOR REGENERATING MEDIUM, E.G., WATER SOFTENING SYSTEM
147	.Controlled discharge means	191	.With pump, injector or siphon
148	.Container movement operated	192	WITH PRELIMINARY CHEMICAL MANUFACTURE
149	.Thermal	193	WITH PRECOAT ADDING OR APPLYING MEANS
150	WITH GAS-LIQUID SURFACE CONTACT MEANS	194	RECIRCULATION
151	.With separator	195.1	.Serially connected distinct treating or storage units
153	STRUCTURAL INSTALLATION	195.2	..With semipermeable membrane, e.g., dialyzer, etc.
154	.Flume stream type	195.3	..With sediment recycle means directly to main stream
155	..Plural or diverse screens	195.4	...Means is baffle slot
156	..Fluid stream or residue operated	196	.Of filtrate
157	...Revolving cylindrical strainer	197	.From bottom of separator
158	..With cleaner for movable strainer	198.1	WITH MEANS TO ADD TREATING MATERIAL
159	..With cleaner and means to remove residue therefrom	198.2	.Chromatography
160	..Endless belt strainer	198.3	..Thin layer, e.g., plate, etc.
161	..Revolving strainer	199	.Spaced along flow path
162	..Fixed strainer	200	.Plural distinct separators
163	.Grated inlet surface drain	201	..Serially connected
164	..Flat grating at surface level	202	...Diverse type
165	...With subsurface weep means	203	..Filters
166	..Concentric guard ring or rib	204	...Sectional chamber press type
167	.Closed circulating systems	205	.With distinct reactor tank, trough or compartment
168	..Lubrication	206	..Chemical holder in series with separator
169	..Aquarium or swimming pool	207	..Within gravitational separator
170	.Geographic (e.g., drainage ditch, septic, pond)	208	...With mechanical agitator
171	.Machinery	209	.Directly applied to separator
172	.Ancillary to storage tank		
173	COMMINUTING		
174	.Cylindrical strainer		
175	WITH HEATER OR HEAT EXCHANGER		
176	.Thermal diffusion		
177	.With treating fluid addition		

210	..To interior of moving filter, e.g., drum	244	PORTABLE RECEPTACLE WITH HOOD OR CLOSURE
211	...Through separator supporting rotary shaft	245	.Attached variable flow controller
212	...With stationary casing closure feature	246	.Limited opening cover
213	...With coaxial rotary impeller or distributor	247	FILTRATE SPLASH PLATE AND/OR DEFLECTOR
214	...With stationary mount for movable distributor	248	WITH DRIP, OVERFLOW OR CONTENT DRAINING FEATURE
215	...With effluent dividing means	249	BRACKET OR LEG SUPPORT FOR STATIC SEPARATOR ASSEMBLY
216	..Moving filter medium	250	.Leg
217	...Drum	251	COMBINED
218	..Gas removed from closed tank	252	SERIALLY CONNECTED DISTINCT TREATING WITH OR WITHOUT STORAGE UNITS
219	..With mechanical agitator		
220	..Submerged fluid inlet		
221.1	...With outlet at surface, e.g., froth flotation, etc.	253	.Parallel
221.2	....And gas injecting means other than by mechanical agitation	254	.With by-pass
222	MAGNETIC	255	.Cascade
223	..With additional separator	256	.One unit inside another
224	SECTIONAL CHAMBER PRESS TYPE	257.1	.With storage unit
225	..With residue removal or liquid agitation	257.2	..Having membrane
226	..With porous filler	258	.With pump, gas pressure or vacuum source
227	..Medium clamped in joint	259	.Diverse
228	..With spacing frame	260	..Including multiple operation unit
229	..Imperforate base recess in plate	261	..One unit supports another
230	..With repair or assembling means	262	..On different levels
231	..Plates or frames	263	PARTICULATE MATERIAL TYPE SEPARATOR, E.G., ION EXCHANGE OR SAND BED
232	WITH REPAIR OR ASSEMBLING MEANS	264	.Selective units or compartments
233	..Piercing or closure knock out means	265	.With gravitational separator
234	..Removable treatment part with normally disabled flow controller	266	.With spaced non-particulate separating means
235	..Placement of container opens flow controller	267	.Trunnion mounted casing
236	..Sliding or rolling on guide means	268	.Gravity flow of particles type
237	..Hoist or handle means	269	.With rehabilitation means
238	..Hand manipulable	270	..Movable means for particle pickup and redeposit
239	CONVERTIBLE	271	..Surface traversing type
240	..Filter having selectively usable flow connector means	272	...Rotating on stationary axis
241	WITH MOVABLE SUPPORT	273	...Moving fluid distributor
242.1	.Float	274	..Including means to apply gas to bed
242.2	..With aerating means	275	..Backwash or blowback means
242.3	..With oil water skimmer	276	...With mechanical agitator or residue remover
242.4	..With oil water sorption means	277	...Flow controller external of closed casing
243	ELECTRICAL INSULATING OR ELECTRICITY DISCHARGING	278	....Multi-way valve unit
		279	...With embedded fluid distributor

280	..With agitator	316	...One adjacent inlet or outlet conduit
281	..With access opening to normally closed casing	317	...Including non-self-supporting medium
282	.Removable cartridge or hand-manipulated container	318	...Incompatible shapes
283	.Pervious divider between and contacting beds	319	.With agitator
284	.Spaced beds	320	.With baffle perpendicular to flow direction
285	.Embedded baffle	321.6	CASING DIVIDED BY MEMBRANE INTO SECTIONS HAVING INLET(S) AND/OR OUTLET(S)
286	..Vertical	321.61	.Membrane secured with adhesive of specified composition
287	.Within flow line or flow line connected closed casing	321.62	.Antithrombogenic membrane
288	..Conduit through bed, inlet and outlet at same end of casing	321.63	.Rotating mechanical agitator adjacent membrane
289	..With particular liquid receiving means or foraminous bed retainer	321.64	.Plural diverse structured membranes within a single casing
290	.With multi-layer beds	321.65	.Permeated liquid quantity measurement or control
291	.Particular liquid receiving means or foraminous bed retainer	321.66	.Energy recovery from treated liquid
292	..Hood or top protector type	321.67	.Membrane movement during purification
293	..Floor type, e.g., false bottom	321.68	..Nontranslatory rotary
294	DIVERSE DISTINCT SEPARATORS	321.69	.With membrane cleaning or sterilizing means (other than by filter movement or rotating agitator)
295	.Including a filter	321.7	..Solid cleaning material (e.g., balls)
296	..Including liquid as a separating medium	321.71	.Dialyzer with dialysate proportioning means
297	..Moving filter medium	321.72	.Each section having inlet(s) and outlet(s)
298	..With mechanical residue or sediment mover	321.73	..Noncoiled nonannular cross section tube
299	..Including constituent trapping feature	321.74	..Coiled membrane
300	...Alternate filters and traps in series	321.75	..Planar membrane
301	....Plural traps	321.76	...Spiral flow
302	...Flow-line valve upstream of separator	321.77	..Pleated membrane
303	...Cut-off sediment trap	321.78	..Cylindrical membrane
304	...Tangential flow, spiral or convolute baffle	321.79	...Plural cylindrical membranes all connected for parallel flow
305	...Baffle preceding or within sediment trap	321.8	....All cylindrical membranes are parallel
306	....Deflecting prefilt from filter medium	321.81	....With embedded baffle
307	...Downstream of filter medium	321.82	.Noncoiled nonannular cross section tube
308	...Directly communicating with tubular filter interior	321.83	.Coiled membrane
309	....Attached to filter element	321.84	.Planar membrane
310	...Lateral trap	321.85	..Spiral flow
311	...Downflow inlet, upflow through filter medium	321.86	.Pleated membrane
312	...Sediment discharge means		
313	....Valve controlled		
314	..Spaced filters		
315	...One within another		

321.87	.Cylindrical membrane	353	.Free cleaning means, e.g., loose abrading particles
321.88	..Plural cylindrical membranes all connected for parallel flow	354	.Medium, cleaner or agitator moved by fluid
321.89	...All cylindrical membranes are parallel	355	..Cleaner
321.9	....With embedded baffle	356	..Medium flexed
322	PLURAL DISTINCT SEPARATORS	357	.Relatively movable members interleaved for cleaning
323.1	.Filters	358	.Imperforate drum, medium on arc, chord or end
323.2	..Tubular	359	.Movable medium
324	..Movable separating elements	360.1	..Centrifugal extractor
325	...Planetary	360.2	...With inward flow of feed component
326	...Drum type on parallel axis	361	...With individual article container or support
327	...Plural cleaners and plural movable elements	362	...Container or support reversible
328	...Pivotally mounted sections	363	...With adjustable rotation stabilizer
329	...Relatively movable	364	...Casing, shaft and filter unit gyratorily mounted
330	...Connected for group operation	365	...Shaft and filter unit gyratorily mounted
331	....Spaced filter wall type, e.g., multiple hollow leaves	366	...Gyratory mounting above filter
332	..With residue removal or liquid agitation	367	...Filter gyratorily mounted on shaft
333.01	...Backwash or blowback	368	...With rotation brake
333.1	....Sequential backwash	369	...Discharging residue
334	...Alternating filter and residue remover	370	...Secondary motion of filter medium
335	..In series for prefilt flow	371	....With variable flow controller
336	...Tortuous path	372	....By residue engaging means
337	...Nested units	373	.....Fixed
338	....Concentric filter elements	374	.....Rotatable
339	...Internal flange supporting filter element	375	.....Pivoted
340	..Parallel filters with flow controller	376	....Axially reciprocable
341	...Individually controlled for removal with common receiver	377	...Internal work distributor
342	..One element within another	378	...Including filtrate receiving means having plural filtrate outlets
343	..Alternating oppositely opening liquid distributors	379	...Including filtrate receiving trough adjacent top discharge
344	..Abutted alternating medium and pan type receiver	380.1	...Rotating element construction
345	..Radial or radially connected to central header	380.2	....Laundry
346	..Spaced wall-type filters	380.3	....Horizontal axis
347	...Central header	381	....Inwardly extending partitions
348	FILTER	382	....Top filtrate discharge
349	.Pulsation dampener or gas trapping	383	..Separate agitator
350	.With movable means to compress medium	384	..Vibrator and unidirectional motion filter medium
351	..Actuating means external of closed casing	385	..With plural motion
352	..Internal spring	386	..Rolls or confining members contacting residue

387	..Unrollable	420	..Selective directive flow relative to filter
388	..Vibrating or longitudinally reciprocating	421	...Pivoted prefilter deflector
389	...Longitudinally moving prefilter type	422	...Plural outlets from filter casing
390	..Mounted on movable valve element	423	....Attached unitary plural passage header
391	..With cleaning means	424	...Multi-way valve
392	...Fixed position or attached valve blocking means	425	....Backwash
393	...Backwash or blowback and additional cleaner	426	.....Encased
394	...Discharging inside, e.g., internal-type drum	427	...Backwash
395	...With filter-driven valve means	428	..Combining or dividing flow passages with filter in combined passage
396	...Solid cleaner, e.g., scraper	429	..Filter coaxial with valve seat or valve stem
397	...With plural outlets from filter casing	430	...Filter surrounds valve
398	..Within sealed enclosure	431	...Filter fixed to valve seat, opposed to valve head
399	...Movable casing	432	..Filter in valve body recess
400	..Belt type	433.1	.Divided filtered, and unfiltered liquid passages
401	...Superimposed on additional moving support	434	..Recombining
402	..Drum type	435	.Within flow line or flow line connected close casing
403	...Internal feed	436	..Vented
404	...Annular segmented compartment	437	..Central internal liquid receiver, e.g., tube
405	.Movable prefilter distributor	438	...Imperforate central liquid tube
406	.Vacuumized filtrate receiver	439	....Axial flow through filter element
407	.With residue removing means or agitation of liquid	440	...Inlet and outlet at same end
408	..Diverse, e.g., combined agitators, scrapers, aeration blowback	441	...Attached to casing
409	..Fluid cleaning	442	....Head and base connected
410	...Air pump type	443	..Inlet and outlet at same end
411	...Backwash or blowback	444	...Filter suspended from head
412	....Liquid pulsator	445	..Clamped in casing joint
413	..Fixed filter medium and movable stirrer or cleaner	446	..Axially aligned inlet and outlet
414	...With plural outlets from filter casing	447	...Laterally removable
415	...Nontranslatory rotary	448	...Single open-end-type filter element
416.1	.With pump, gas pressure, or suction source	449	...Pipe end attached closed casing, e.g., faucet
416.2	..For aquarium or swimming pool	450	..Gasket within casing or spaced removable end members
416.3	..For drinking water	451	..Internal fixed shoulder supporting filter element
416.4	..For fuel system	452	...Single open-end-type filter element
416.5	..For lubricating or oil treating system	453	..Filter element clamped between closure and end wall
417	.Alternating oppositely opening liquid distributors	454	..Filter element attached to closure
418	.With flow controller for material being treated		
419	..Attached to or within portable prefilter receiver		

455	..Receptacle and modified spacing surface or support for filter medium	490	....Integral or coated layers
456	..Prefilt flow distributor or diverter	491	.....All fibrous
457	..With central pervious tubular receiver	492	...Alternating dissimilar
458	..Plural concentric receivers	493.1	..Pleated
459	..Pipe or plate attached type	493.2	...Bonded end caps
460	..Attached to open end of pipe	493.3	...Rectangularly shaped
461	...Spaced wall-type element	493.4	...Spirally formed
462	...Pipe in connection to plate	493.5	...Filter element
463	...Inserted holder	494.1	..Convolute
464	..Portable receptacle draining type	494.2	...Metal
465	..Cooperating handles on receptacle and drainer	494.3	...With edge spacer
466	..Receptacle spout	495	..Single ring or closed frame type
467	...Within receptacle proper	496	..Bound, fused or matted, e.g., porous shapes, sponges, etc.
468	...Spaced from spout discharge	497.01	..Cylindrical, conical, or trough shape
469	..On or adjacent receptacle upper edge	497.1	...Helically wound
470	..Handled	497.2	...Filter blank
471	..Ring type	497.3	...Conical
472	..Vented	498	..Perforated or grooved plates
473	..Resting on supporting receiver, e.g., portable	499	..Screens, e.g., woven
474	..At upper edge of filtrate receiver	500.1	..Material
475	...Filter offset in cover	500.21	..Semipermeable membrane
476	...Telescoped receivers or receiver sections	500.22	...Isotropically pored
477	..Resting on internal stop or surface	500.23	...Hollow fiber or cylinder
478	...Unitary filter medium and radially expandable retainer	500.24	...Antithrombogenic coating or membrane
479	...Inner separate retainer	500.25	...Metal containing
480	....With contractor for expandable retainer	500.26	...Glass
481	...Longitudinal retainer or guide, (e.g., reflex coffee maker)	500.27	...Organic
482	..At lower end or prefilt receiver	500.28	....Cyclic
483	..Supported, shaped or superimposed formed mediums	500.29	.....Cellulosic
484	..Medium within foraminous supporting container or sheath	500.3	.....Cellulose acetate
485	..External cage-type support	500.31	.....Cellulose diacetate
486	..Spaced wall type, e.g., hollow leaf	500.32	.....Cellulose triacetate
487	...Concentric, convolute or pleated	500.33	.....Homocyclic
488	..Abutted or superimposed members	500.34	.....Styrene
489	...For series flow	500.35	....Acrylate
		500.36	....Alkene other than vinyl
		500.37	....Amine
		500.38	.....Amide
		500.39	.....Imide
		500.4	....Carbonate
		500.41	....Sulfone
		500.42	....Vinyl
		500.43	.....Acrylonitrile
		501	..Sterilizing or neutralizing agent containing
		502.1	..Sorptive component containing
		503	..Diverse granular or fibrous
		504	...With adhered coating or impregnant
		505	...Including fibers

506 ..Coated or impregnated, e.g.,
adhesively bound

507 ...Fabrics

508 ...Fibrous

509Inorganic

510.1 ..Porous unitary mass

511 **LIQUID AS SEPARATING MEDIUM**

512.1 **TANGENTIAL FLOW OR CENTRIFUGAL
FLUID ACTION**

512.2 ..Multiple cyclone

512.3 ..With movable means affecting
flow

513 **GRAVITATIONAL SEPARATOR**

514 ..Portable invertible, e.g., milk
and cream separator

515 ..Selective withdrawal of
constituents

516 ..Resilient deformable isolator

517 ...Hinged to handle

518 ..Sectional isolator

519 ..Material supply distributor

520 ..Rotatable

521 ..Superposed compartments or
baffles, e.g., parallel plate
type

522 ..Each with lighter constituent
discharge

523 ..Mechanical constituent mover

524 ..Diverse serial

525 ..Scum sediment removal

526 ..Endless belt or chain

527 ..Rectilinearly movable
supporting means

528 ..Horizontally rotating scraper

529 ...Polygonal container and
correlating mover

530 ...Tank rim-supported carriage

531 ...Elevatable scrapers

532.1 ..Heavier constituent trap,
chamber, or recess

532.2 ..Septic tank

533 ..Closure or valve controlled
discharge

534 ...In sloping recess

535Downstream of separator

536 ...In side wall of separator

537 ...With discharge means for two
or more lighter constituents

538 ..Lighter constituent trap

539 ..Gas vent or bypass

540 ..With discharge port

541 **ADJUNCTS**

542 **MISCELLANEOUS**

CROSS-REFERENCE ART COLLECTIONS

900 **ULTRA PURE WATER (E.G.,
CONDUCTIVITY WATER)**

901 **SPECIFIED LAND FILL FEATURE
(E.G., PREVENTION OF GROUND
WATER FOULING)**

902 **MATERIALS REMOVED**

903 ..Nitrogenous

904 ..-CN containing

905 ..Protein

906 ..Phosphorus containing

907 ..Phosphate slimes

908 ..Organic

909 ..Aromatic compound (e.g., PCB,
phenol, etc.)

910 ..Nonbiodegradable surfacant

911 ..Cumulative poison

912 ..Heavy metal

913 ...Chromium

914 ...Mercury

915 ..Fluorine containing

916 ..Odor (including control or
abatement)

917 ..Color

918 **MISCELLANEOUS SPECIFIC TECHNIQUES**

919 ..Using combined systems by
merging parallel diverse waste
systems

920 ..Using combined systems of
sequential local and regional
or municipal sewage systems

921 ..Flow equalization or time
controlled stages or cycles

922 ..Oil spill cleanup (e.g.,
bacterial, etc.)

923 ..Using mechanical means (e.g.,
skimmers, pump, etc.)

924 ..Using physical agent (e.g.,
sponge, mop, etc.)

925 ..Using chemical agent

926 ..Using oxidation ditch (e.g.,
carousel, etc.)

928 **PAPER MILL WASTE (E.G., WHITE
WATER, BLACK LIQUOR, ETC.)
TREATED**

929 **HEMOULTRAFILTRATE VOLUME
MEASUREMENT OR CONTROL
PROCESSES**

930 **PAINT DETACKIFYING**

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG 3 BELT ALIGNMENT
DIG 5 COALESCER
DIG 6 DEHYDRATORS
DIG 7 DRIER BLOCKS
DIG 8 FAT FRYER
DIG 9 FLOATING COVER
DIG 13 PART FLOW-FULL FLOW
DIG 17 TWIST-ON